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Docket No. GEN-T111XC3D2
Serial No. 09/901,484In the Claims

1-59 (Canceled).

60 (Previously Presented). ~~The An~~ isolated, purified, or recombinant polynucleotide ~~comprising according to claim 50, wherein said polynucleotide is~~ SEQ ID NO: 179.

61-72 (Canceled).

73 (Currently Amended). ~~The A~~ recombinant, purified or isolated polynucleotide ~~according to claim 71, said contiguous span~~ comprising a contiguous span of 40, 50, 60, 70, 80, 90, 100, 150, 200, 500 or 1000 nucleotides of SEQ ID NO: 179, wherein said contiguous span comprises at least 1 of the following nucleotide positions: at least 1 of the nucleotide positions polynucleotide selected from positions: 3456-3572 or 5028-6086.

74-84 (Canceled).

85 (Currently Amended). A probe consisting of a contiguous span of nucleotides selected from the group consisting of nucleotide sequences spanning from position N-X to position N+Y of SEQ ID NO:179, or consisting of a contiguous span of nucleotides that is complementary to said contiguous span of nucleotides selected from a group of nucleotide sequences spanning from position N-X to position N+Y of SEQ ID NO:179, wherein:

- i) X is equal to 8, 10, 12, 15, 20, 25, or a range of 8 to 30;
- ii) Y is equal to 8, 10, 12, 15, 20, 25, or a range of 8 to 30; and
- iii) N is equal to one of the following values: 2159; 2443; 4452; 5733; 8438; 11843; 1983; 12080; 12221; 12947; 13147; 13194; 13310; 13342; 13367; 13594; 13680; 13902; 16231; 16388; 17608; 18034; 18290; 18786; 22835; 22872; 25183; 25192; 25614; 26911; 32703; 34491; 34756; 34934; ~~5160~~ 35160; 39897; 40598; 40816; 40947; 45783; 47929; 48206; 48207; 49282;

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50037; 50054; 50101; 50220; 50440; 50562; 50653; 50660; 50745; 50885; 51249; 53272; 53389; 53511; 53600; 53665; 53815; 54365; or 54541.

86 (Currently Amended). A primer consisting of a contiguous span of nucleotides selected from the group consisting of nucleotide sequences spanning from position N-X to position N-1 of SEQ ID NO:179, or consisting of a contiguous span of nucleotides that is complementary to said contiguous span of nucleotides selected from a group of nucleotide sequences spanning from position N-X to position N-1 of SEQ ID NO:179, wherein:

- i) X is equal to 15, 18, 20, 25, 30, or a range of 15 to 30; and
- ii) N is equal to one of the following values: 2159; 2443; 4452; 5733; 8438; 11843; 1983; 12080; 12221; 12947; 13147; 13194; 13310; 13342; 13367; 13594; 13680; 13902; 16231; 16388; 17608; 18034; 18290; 18786; 22835; 22872; 25183; 25192; 25614; 26911; 32703; 34491; 34756; 34934; ~~5160~~ 35160; 39897; 40598; 40816; 40947; 45783; 47929; 48206; 48207; 49282; 50037; 50054; 50101; 50220; 50440; 50562; 50653; 50660; 50745; 50885; 51249; 53272; 53389; 53511; 53600; 53665; 53815; 54365; or 54541.